Title of Instructional Materials: School Specialty (Think Math!)

Grade Level: Grade K

Summary of Insert Name of Instructional Materials Here

Overall Rating: ☐ Weak (1-2) ☒ Moderate (2-3) ☐ Strong (3-4) **Summary / Justification / Evidence:** Problem solving seemed weak, and there were a lot of gaps in the common core. In the lesson activity book page, there were not many open-ended questions. In Kindergarten, teacher edition included center activities for the classroom.	Important Mathematical Ideas: ☒ Weak (1-2) ☒ Moderate (2-3) ☐ Strong (3-4) **Summary / Justification / Evidence:**
Skills and Procedures: ☐ Weak (1-2) ☒ Moderate (2-3) ☐ Strong (3-4) **Summary / Justification / Evidence:**	Mathematical Relationships: ☐ Weak (1-2) ☒ Moderate (2-3) ☐ Strong (3-4) **Summary / Justification / Evidence:**

(K)

Reviewed By: [redacted]

Title of Instructional ~~Materials~~: Think Math! (by EDC)

School Specialty

Documenting Alignment to the Standards for Mathematical Practice

1. Make sense of problems and persevere in solving them.

Mathematically proficient students start by explaining to themselves the meaning of a problem and looking for entry points to its solution. They analyze givens, constraints, relationships, and goals. They make conjectures about the form and meaning of the solution and plan a solution pathway rather than simply jumping into a solution attempt. They consider analogous problems, and try special cases and simpler forms of the original problem in order to gain insight into its solution. They monitor and evaluate their progress and change course if necessary. Older students might, depending on the context of the problem, transform algebraic expressions or change the viewing window on their graphing calculator to get the information they need. Mathematically proficient students can explain correspondences between equations, verbal descriptions, tables, and graphs or draw diagrams of important features and relationships, graph data, and search for regularity or trends. Younger students might rely on using concrete objects or pictures to help conceptualize and solve a problem. Mathematically proficient students check their answers to problems using a different method, and they continually ask themselves, "Does this make sense?" They can understand the approaches of others to solving complex problems and identify correspondences between different approaches.

Indicate the chapter(s), section(s), or page(s) reviewed.

T.guide (vol 1) - Ch. 2, 4, 5
T.guide (vol 2) - Ch. 6, 7, 9

Portions of the mathematical practice that are missing or not well developed in the instructional materials (if any):

Summary/Justification/Evidence

Overall Rating

1 — 2 — 3 — 4

Reviewed By: [redacted]

Title of Instructional Materials: Think Math! 1

Documenting Alignment to the Standards for Mathematical Practice

2. Reason abstractly and quantitatively.

Mathematically proficient students make sense of quantities and their relationships in problem situations. They bring two complementary abilities to bear on problems involving quantitative relationships: the ability to decontextualize—to abstract a given situation and represent it symbolically and manipulate the representing symbols as if they have a life of their own, without necessarily attending to their referents—and the ability to contextualize, to pause as needed during the manipulation process in order to probe into the referents for the symbols involved. Quantitative reasoning entails habits of creating a coherent representation of the problem at hand; considering the units involved; attending to the meaning of quantities, not just how to compute them; and knowing and flexibly using different properties of operations and objects.

Indicate the chapter(s), section(s), or page(s) reviewed.

T.guide (vol 1) Ch 2, 3, 4, 5
T.guide (vol 2) Ch. 6, 8, + 9

Summary/Justification/Evidence

Portions of the mathematical practice that are missing or not well developed in the instructional materials (if any):

Overall Rating

1 — 2 — 3 (marked X) — 4

Reviewed By: [redacted]

Title of Instructional Materials: Think Math!

Documenting Alignment to the Standards for Mathematical Practice

3. Construct viable arguments and critique the reasoning of others.

Mathematically proficient students understand and use stated assumptions, definitions, and previously established results in constructing arguments. They make conjectures and build a logical progression of statements to explore the truth of their conjectures. They are able to analyze situations by breaking them into cases, and can recognize and use counterexamples. They justify their conclusions, communicate them to others, and respond to the arguments of others. They reason inductively about data, making plausible arguments that take into account the context from which the data arose. Mathematically proficient students are also able to compare the effectiveness of two plausible arguments, distinguish correct logic or reasoning from that which is flawed, and—if there is a flaw in an argument—explain what it is. Elementary students can construct arguments using concrete referents such as objects, drawings, diagrams, and actions. Such arguments can make sense and be correct, even though they are not generalized or made formal until later grades. Later, students learn to determine domains to which an argument applies. Students at all grades can listen or read the arguments of others, decide whether they make sense, and ask useful questions to clarify or improve the arguments.

Indicate the chapter(s), section(s), or page(s) reviewed.

T. guide (vol 1) Ch 2-5

T. guide (vol 2) Ch. 6-9

Summary/Justification/Evidence

Portions of the mathematical practice that are missing or not well developed in the instructional materials (if any):

Overall Rating

Reviewed By: [redacted]

Title of Instructional Materials: Think Math 1

Documenting Alignment to the Standards for Mathematical Practice

4. Model with mathematics.

Mathematically proficient students can apply the mathematics they know to solve problems arising in everyday life, society, and the workplace. In early grades, this might be as simple as writing an addition equation to describe a situation. In middle grades, a student might apply proportional reasoning to plan a school event or analyze a problem in the community. By high school, a student might use geometry to solve a design problem or use a function to describe how one quantity of interest depends on another. Mathematically proficient students who can apply what they know are comfortable making assumptions and approximations to simplify a complicated situation, realizing that these may need revision later. They are able to identify important quantities in a practical situation and map their relationships using such tools as diagrams, two-way tables, graphs, flowcharts and formulas. They can analyze those relationships mathematically to draw conclusions. They routinely interpret their mathematical results in the context of the situation and reflect on whether the results make sense, possibly improving the model if it has not served its purpose.

Indicate the chapter(s), section(s), or page(s) reviewed.

Figure (vol 1) - Ch. 1, 2, 4, 5
Figure (vol 2) - Ch. 6-9

Portions of the mathematical practice that are missing or not well developed in the instructional materials (if any):

Summary/Justification/Evidence

Overall Rating

Reviewed By: [redacted]

Title of Instructional Materials: Think Math 1

Documenting Alignment to the Standards for Mathematical Practice

5. Use appropriate tools strategically.

Mathematically proficient students consider the available tools when solving a mathematical problem. These tools might include pencil and paper, concrete models, a ruler, a protractor, a calculator, a spreadsheet, a computer algebra system, a statistical package, or dynamic geometry software. Proficient students are sufficiently familiar with tools appropriate for their grade or course to make sound decisions about when each of these tools might be helpful, recognizing both the insight to be gained and their limitations. For example, mathematically proficient high school students analyze graphs of functions and solutions generated using a graphing calculator. They detect possible errors by strategically using estimation and other mathematical knowledge. When making mathematical models, they know that technology can enable them to visualize the results of varying assumptions, explore consequences, and compare predictions with data. Mathematically proficient students at various grade levels are able to identify relevant external mathematical resources, such as digital content located on a website, and use them to pose or solve problems. They are able to use technological tools to explore and deepen their understanding of concepts.

Indicate the chapter(s), section(s), or page(s) reviewed.

T. guide (Vol 1) Ch. 2-5

T. guide (Vol 2) Ch. 6-8

Summary/Justification/Evidence

Portions of the mathematical practice that are missing or not well developed in the instructional materials (if any):

Overall Rating

Reviewed By: [redacted]

Title of Instructional Materials: Think Math!

Documenting Alignment to the Standards for Mathematical Practice

6. Attend to precision.

Mathematically proficient students try to communicate precisely to others. They try to use clear definitions in discussion with others and in their own reasoning. They state the meaning of the symbols they choose, including using the equal sign consistently and appropriately. They are careful about specifying units of measure, and labeling axes to clarify the correspondence with quantities in a problem. They calculate accurately and efficiently, express numerical answers with a degree of precision appropriate for the problem context. In the elementary grades, students give carefully formulated explanations to each other. By the time they reach high school they have learned to examine claims and make explicit use of definitions.

Indicate the chapter(s), section(s), or page(s) reviewed.

T. guide (vol 1) Ch. 2-4

T. guide (vol 2) Ch. 6-8

Summary/Justification/Evidence

Portions of the mathematical practice that are missing or not well developed in the instructional materials (if any):

Overall Rating

Reviewed By: [redacted]

Title of Instructional Materials: Think Math 1

Documenting Alignment to the Standards for Mathematical Practice

7. Look for and make use of structure.

Mathematically proficient students look closely to discern a pattern or structure. Young students, for example, might notice that three and seven more is the same amount as seven and three more, or they may sort a collection of shapes according to how many sides the shapes have. Later, students will see 7×8 equals the well remembered $7 \times 5 + 7 \times 3$, in preparation for learning about the distributive property. In the expression $x^2 + 9x + 14$, older students can see the 14 as 2×7 and the 9 as $2 + 7$. They recognize the significance of an existing line in a geometric figure and can use the strategy of drawing an auxiliary line for solving problems. They also can step back for an overview and shift perspective. They can see complicated things, such as some algebraic expressions, as single objects or as being composed of several objects. For example, they can see $5 - 3(x - y)^2$ as 5 minus a positive number times a square and use that to realize that its value cannot be more than 5 for any real numbers x and y.

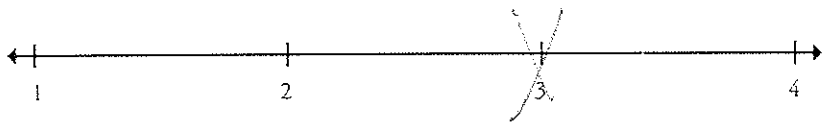
Indicate the chapter(s), section(s), or page(s) reviewed.

Practice (vol 1) Ch. 1-5
Practice (vol 2) Ch. 6-9

Portions of the mathematical practice that are missing or not well developed in the instructional materials (if any):

Summary/Justification/Evidence

Overall Rating



Reviewed By: [redacted]

Title of Instructional Materials: Think Math 1

Documenting Alignment to the Standards for Mathematical Practice

8. Look for and express regularity in repeated reasoning.

Mathematically proficient students notice if calculations are repeated, and look both for general methods and for shortcuts. Upper elementary students might notice when dividing 25 by 11 that they are repeating the same calculations over and over again, and conclude they have a repeating decimal. By paying attention to the calculation of slope as they repeatedly check whether points are on the line through (1, 2) with slope 3, middle school students might abstract the equation $(y - 2)/(x - 1) = 3$. Noticing the regularity in the way terms cancel when expanding $(x - 1)(x + 1)$, $(x - 1)(x^2 + x + 1)$, and $(x - 1)(x^3 + x2 + x + 1)$ might lead them to the general formula for the sum of a geometric series. As they work to solve a problem, mathematically proficient students maintain oversight of the process, while attending to the details. They continually evaluate the reasonableness of their intermediate results.

Indicate the chapter(s), section(s), or page(s) reviewed.

Tguide(vol1) Ch 2-4
Tguide(vol2) Ch 7-9

Summary/Justification/Evidence

Portions of the mathematical practice that are missing or not well developed in the instructional materials (if any):

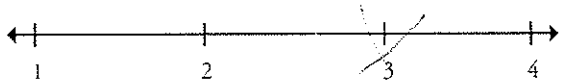
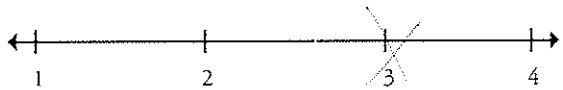
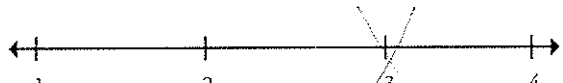
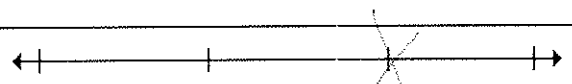
Overall Rating

1 2 3 4

Reviewed By: [redacted]

Title of Instructional Materials: Think Math!

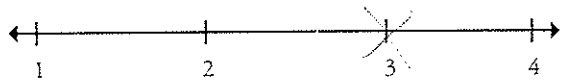
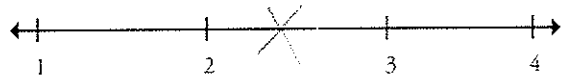
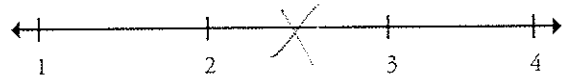
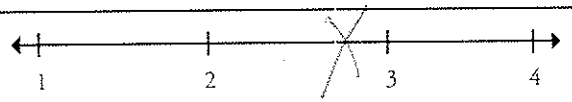
MATHEMATICS: GRADE K – COUNTING AND CARDINALITY – K.CC

Know number names and the count sequence	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
K.CC.1 Count to 100 by ones and by tens. **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Topic vol 1 – Ch. 1, 9, 5 Topic vol 2 – Ch. 6, 9	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence**
	Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):
	Overall Rating 

Reviewed By: [redacted]

Title of Instructional Materials: Think Math!

MATHEMATICS: GRADE K – COUNTING AND CARDINALITY – K.CC

Know number names and the count sequence	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
K.CC.2 Count forward beginning from a given number within the known sequence (instead of having to begin at 1).	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence**
Indicate the chapter(s), section(s), and/or page(s) reviewed. T. guide vol. 1 - Ch. 1, 4 T. guide vol. 2 - Ch. 6 + 9 Student workbook pg 257 - 288	**Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):**
	Overall Rating 

Reviewed By: [redacted]

Title of Instructional Materials: Think Math!

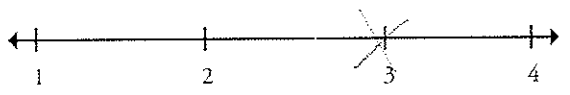
MATHEMATICS: GRADE K – COUNTING AND CARDINALITY – K.CC

Know number names and the count sequence	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
K.CC.3. Write numbers from 0 to 20. Represent a number of objects with a written numeral 0–20 (with 0 representing a count of no objects). **Indicate the chapter(s), section(s), and/or page(s) reviewed.** T.E. vol 1 Ch 1, 2, 4 T.E. vol 2 Ch 6 & 9 Lesson Activity book pp. 1 – 31 pp. 77 – 127 pp. 161 – 191	Important Mathematical Ideas: 1 2 3 4 Skills and Procedures: 1 2 3 4 Mathematical Relationships: 1 2 3 4 **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating: 1 2 3 4

Reviewed By: [redacted]

Title of Instructional Materials: Think Math!

MATHEMATICS: GRADE K – COUNTING AND CARDINALITY – K.CC

Count to tell the number of objects.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
K.CC.4a 4. Understand the relationship between numbers and quantities; connect counting to cardinality. a. When counting objects, say the number names in the standard order, pairing each object with one and only one number name and each number name with one and only one object. **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Teacher Tool 1 – Ch. 1, 2, 4 Teacher Tool 2 – Ch. 6 Lesson Activity Book	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

Reviewed By: [redacted]

Title of Instructional Materials: Think Math!

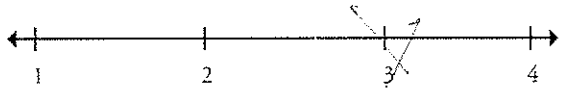
MATHEMATICS: GRADE K – COUNTING AND CARDINALITY – K.CC

Count to tell the number of objects.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
K.CC.4b 4. Understand the relationship between numbers and quantities; connect counting to cardinality. b. Understand that the last number name said tells the number of objects counted. The number of objects is the same regardless of their arrangement or the order in which they were counted.	Important Mathematical Ideas: 1 2 3 4 (marked: 3) Skills and Procedures: 1 2 3 4 (marked: 3) Mathematical Relationships: 1 2 3 4 (marked: 3) **Summary / Justification / Evidence**
Indicate the chapter(s), section(s), and/or page(s) reviewed. Triangle Vol I - Ch 1, 2, 4 & 5	**Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):**
	Overall Rating: 1 2 3 4 (marked: 3)

Reviewed By: [redacted]

Title of Instructional Materials: Think Math!

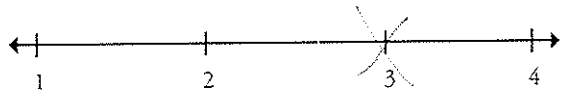
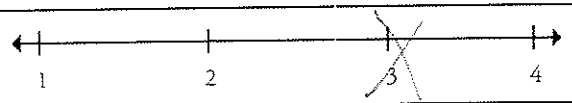
MATHEMATICS: GRADE K – COUNTING AND CARDINALITY – K.CC

Count to tell the number of objects.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
K.CC.4c 4. Understand the relationship between numbers and quantities; connect counting to cardinality. c. Understand that each successive number name refers to a quantity that is one larger. **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Teacher Guide Vol 1 - Ch 1, 2, 4, 5	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

Reviewed By: [redacted]

Title of Instructional Materials: Think Math

MATHEMATICS: GRADE K – COUNTING AND CARDINALITY – K.CC

Count to tell the number of objects.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
K.CC.5 Count to answer "how many?" questions about as many as 20 things arranged in a line, a rectangular array, or a circle, or as many as 10 things in a scattered configuration; given a number from 1–20, count out that many objects. **Indicate the chapter(s), section(s), and/or page(s) reviewed.** T. Guide vol 1 – Ch. 4, 5 T. Guide vol 2 – Ch 6, 9	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

Reviewed By: [redacted]

Title of Instructional Materials: Think Math!

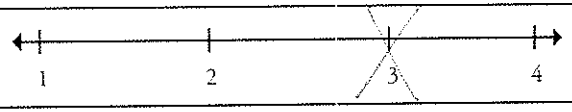
MATHEMATICS: GRADE K – COUNTING AND CARDINALITY – K.CC

Compare numbers.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
K.CC.6 Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group, e.g., by using matching and counting strategies.[1] 1 Include groups with up to ten objects. **Indicate the chapter(s), section(s), and/or page(s) reviewed.** T. guide vol 1 - ch. 2, 4, 5 T. guide vol 2 - ch. 6-9	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

Reviewed By: [redacted]

Title of Instructional Materials: Think Math!

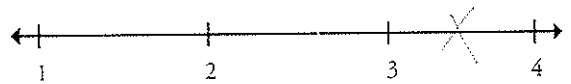
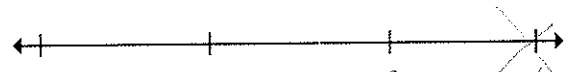
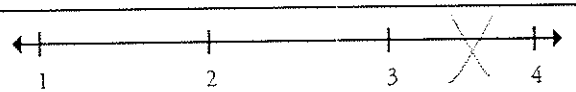
MATHEMATICS: GRADE K – COUNTING AND CARDINALITY – K.CC

Compare numbers.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
K.CC.7 Compare two numbers between 1 and 10 presented as written numerals. **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Think Vol 1 - Ch 1, 2, 4 Think Vol 2 - Ch 6	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

Reviewed By: [redacted]

Title of Instructional Materials: Think Math!

MATHEMATICS: GRADE K – OPERATIONS AND ALGEBRAIC THINKING – K.OA

Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
K.OA.1 Represent addition and subtraction with objects, fingers, mental images, drawings[1], sounds (e.g., claps), acting out situations, verbal explanations, expressions, or equations. 1 Drawings need not show details, but should show the mathematics in the problem. (This applies wherever drawings are mentioned in the Standards.) **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Triumphs vol 1 – Ch. 4, 5 Triumphs vol 2 – Ch 6	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence**
	Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):
	Overall Rating 

Reviewed By: [redacted]

Title of Instructional Materials: Think Math!

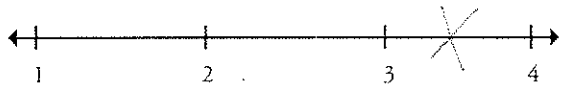
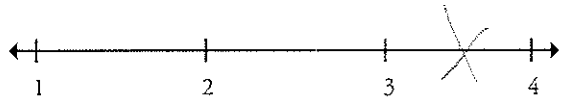
MATHEMATICS: GRADE K – OPERATIONS AND ALGEBRAIC THINKING – K.OA

Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.	**Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.**
K.OA.2 Solve addition and subtraction word problems, and add and subtract within 10, e.g., by using objects or drawings to represent the problem.	Important Mathematical Ideas: 1 — 2 — 3 (X) — 4 Skills and Procedures: 1 — 2 — 3 (X) — 4 Mathematical Relationships: 1 — 2 — 3 (X) — 4 **Summary / Justification / Evidence**
Indicate the chapter(s), section(s), and/or page(s) reviewed. T.g. vol 1 - Ch. 4 & 5 T.guide vol 2 - Ch. 6	**Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):**
	Overall Rating: 1 — 2 — 3 (X) — 4

Reviewed By: [redacted]

Title of Instructional Materials: Think Math!

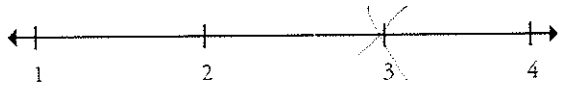
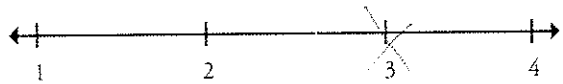
MATHEMATICS: GRADE K – OPERATIONS AND ALGEBRAIC THINKING – K.OA

Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
K.OA.3 Decompose numbers less than or equal to 10 into pairs in more than one way, e.g., by using objects or drawings, and record each decomposition by a drawing or equation (e.g., 5 = 2 + 3 and 5 = 4 + 1). **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Think vol 1 - Ch. 4,5 Think vol 2 - Ch. 6	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

Reviewed By: [redacted]

Title of Instructional Materials: Think Math!

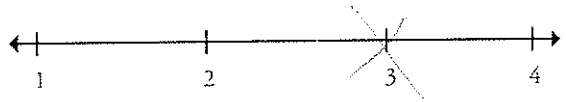
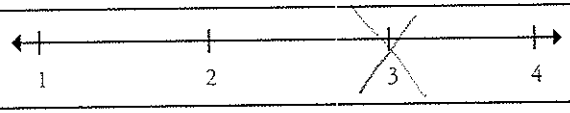
MATHEMATICS: GRADE K – OPERATIONS AND ALGEBRAIC THINKING – K.OA

Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
K.OA.4 For any number from 1 to 9, find the number that makes 10 when added to the given number, e.g., by using objects or drawings, and record the answer with a drawing or equation. **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Ch. 4 & 5 - 1. grade vol 1 Ch. 6 - 1. grade vol. 2	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence**
	Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):
	Overall Rating 

Reviewed By: [redacted]

Title of Instructional Materials: Think Math!

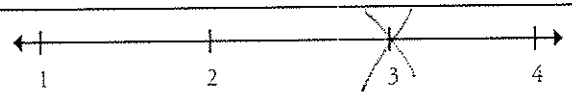
MATHEMATICS: GRADE K – OPERATIONS AND ALGEBRAIC THINKING – K.OA

Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
K.OA.5 Fluently add and subtract within 5. Indicate the chapter(s), section(s), and/or page(s) reviewed. Triangle Ch. 4+5 (Vol 1) Triangle (Vol 2) Ch. 6	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

Reviewed By: [redacted]

Title of Instructional Materials: Think Math!

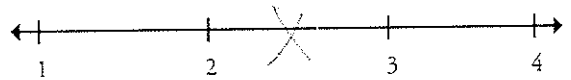
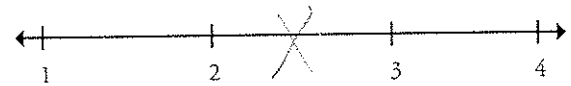
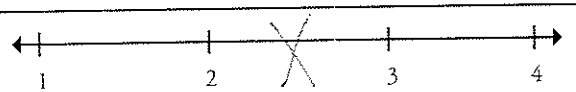
MATHEMATICS: GRADE K – NUMBER AND OPERATIONS IN BASE TEN – K.NBT

Work with numbers 11–19 to gain foundations for place value.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
K.NBT.1 Compose and decompose numbers from 11 to 19 into ten ones and some further ones, e.g., by using objects or drawings, and record each composition or decomposition by a drawing or equation (e.g., 18 = 10 + 8); understand that these numbers are composed of ten ones and one, two, three, four, five, six, seven, eight, or nine ones. **Indicate the chapter(s), section(s), and/or page(s) reviewed.** T. guide Vol 1 ch. 5 T. guide Vol 2 ch. 6, 9	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

Reviewed By: [redacted]

Title of Instructional Materials: Think Math!

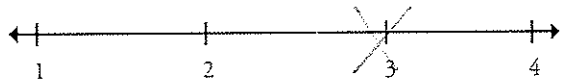
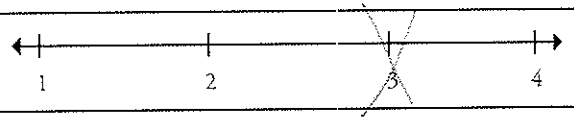
MATHEMATICS: GRADE K – MEASUREMENT AND DATA – K.MD

Describe and compare measurable attributes.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
K.MD.1 Describe measurable attributes of objects, such as length or weight. Describe several measurable attributes of a single object. **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Think Math! Vol 2 – Ch. 8	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

Reviewed By: [redacted]

Title of Instructional Materials: Think Math!

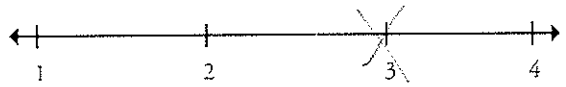
MATHEMATICS: GRADE K – MEASUREMENT AND DATA – K.MD

Describe and compare measurable attributes.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
K.MD.2 Directly compare two objects with a measurable attribute in common, to see which object has "more of"/"less of" the attribute, and describe the difference. *For example, directly compare the heights of two children and describe one child as taller/shorter.* **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Trijinks (Vol 2) Ch. 8	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

Reviewed By: [redacted]

Title of Instructional Materials: Think Math 1

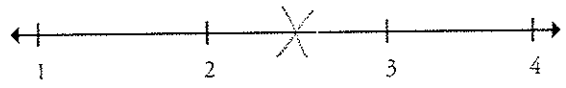
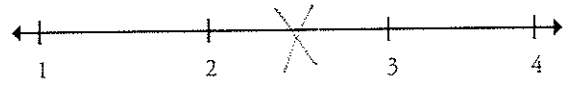
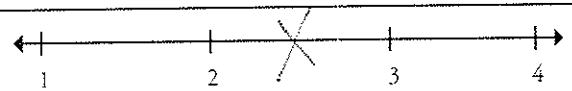
MATHEMATICS: GRADE K – MEASUREMENT AND DATA – K.MD

Classify objects and count the number of objects in each category.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
K.MD.3 Classify objects into given categories; count the numbers of objects in each category and sort the categories by count.[1] 1 Limit category counts to be less than or equal to 10. **Indicate the chapter(s), section(s), and/or page(s) reviewed.** T. guide (vol 1) Ch. 2 & 3 T. guide (vol 2) Ch. 7 & 8	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence**
	Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):
	Overall Rating 

Reviewed By: [redacted]

Title of Instructional Materials: Think Math 1

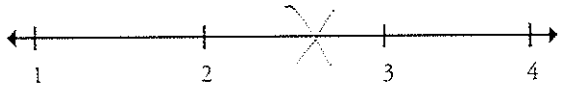
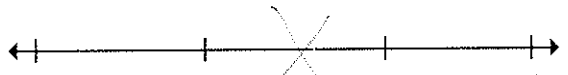
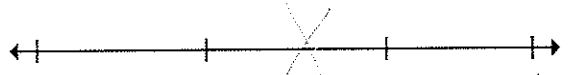
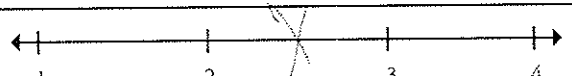
MATHEMATICS: GRADE K – GEOMETRY – K.G

Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres).	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
K.G.1 Describe objects in the environment using names of shapes, and describe the relative positions of these objects using terms such as *above, below, beside, in front of, behind,* and *next to.* **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Topic vol 1 - Ch 2+3 Topic vol 2 - Ch. 7	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

Reviewed By: [redacted]

Title of Instructional Materials: Think Math!

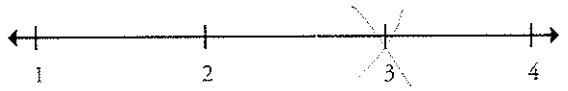
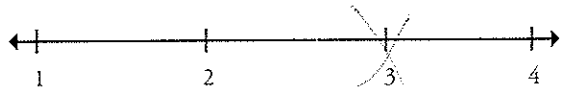
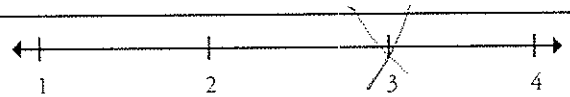
MATHEMATICS: GRADE K – GEOMETRY – K.G

Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres).	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
K.G.2 Correctly name shapes regardless of their orientations or overall size. **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Tiguita (vol 1) ch. 2 & 3 Tiguita (vol 2) ch. 7 & 8	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

Reviewed By: [redacted]

Title of Instructional Materials: Think Math

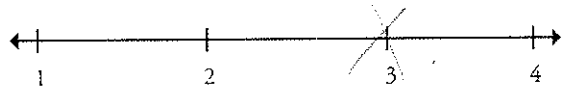
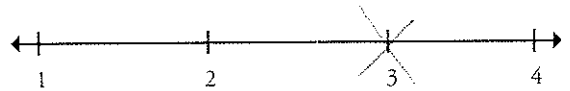
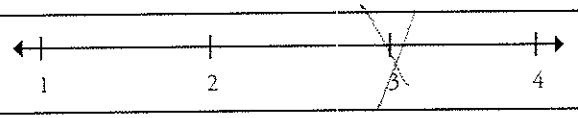
MATHEMATICS: GRADE K – GEOMETRY – K.G

Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres).	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
K.G.3 Identify shapes as two-dimensional (lying in a plane, "flat") or three-dimensional ("solid"). **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Figures (vol 1) Ch 2 & 3 Figures (vol 2) Ch 7	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

Reviewed By: [redacted]

Title of Instructional Materials: Think Math!

MATHEMATICS: GRADE K – GEOMETRY – K.G

Analyze, compare, create, and compose shapes.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
K.G.4 Analyze and compare two- and three-dimensional shapes, in different sizes and orientations, using informal language to describe their similarities, differences, parts (e.g., number of sides and vertices/"corners") and other attributes (e.g., having sides of equal length). **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Triumphs (vol 1) Ch 2 & 3 Triumphs (vol 2) Ch 7	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

Reviewed By: [redacted]

Title of Instructional Materials: Think Math!

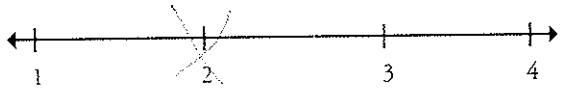
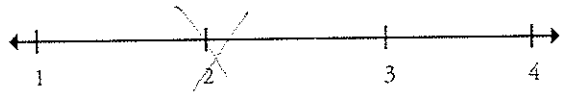
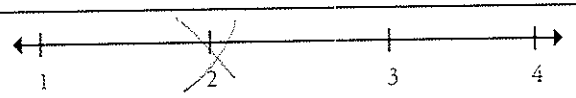
MATHEMATICS: GRADE K – GEOMETRY – K.G

Analyze, compare, create, and compose shapes.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
K.G.5 Model shapes in the world by building shapes from components (e.g., sticks and clay balls) and drawing shapes. **Indicate the chapter(s), section(s), and/or page(s) reviewed.** T guide (vol 1) Ch. 2 & 3 T guide (vol 2) Ch. 7	Important Mathematical Ideas: 1 — X — 2 — 3 — 4 Skills and Procedures: 1 — X — 2 — 3 — 4 Mathematical Relationships: 1 — X — 2 — 3 — 4 **Summary / Justification / Evidence**
	Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):
	Overall Rating: 1 — X — 2 — 3 — 4

Reviewed By: [redacted]

Title of Instructional Materials: Think Math

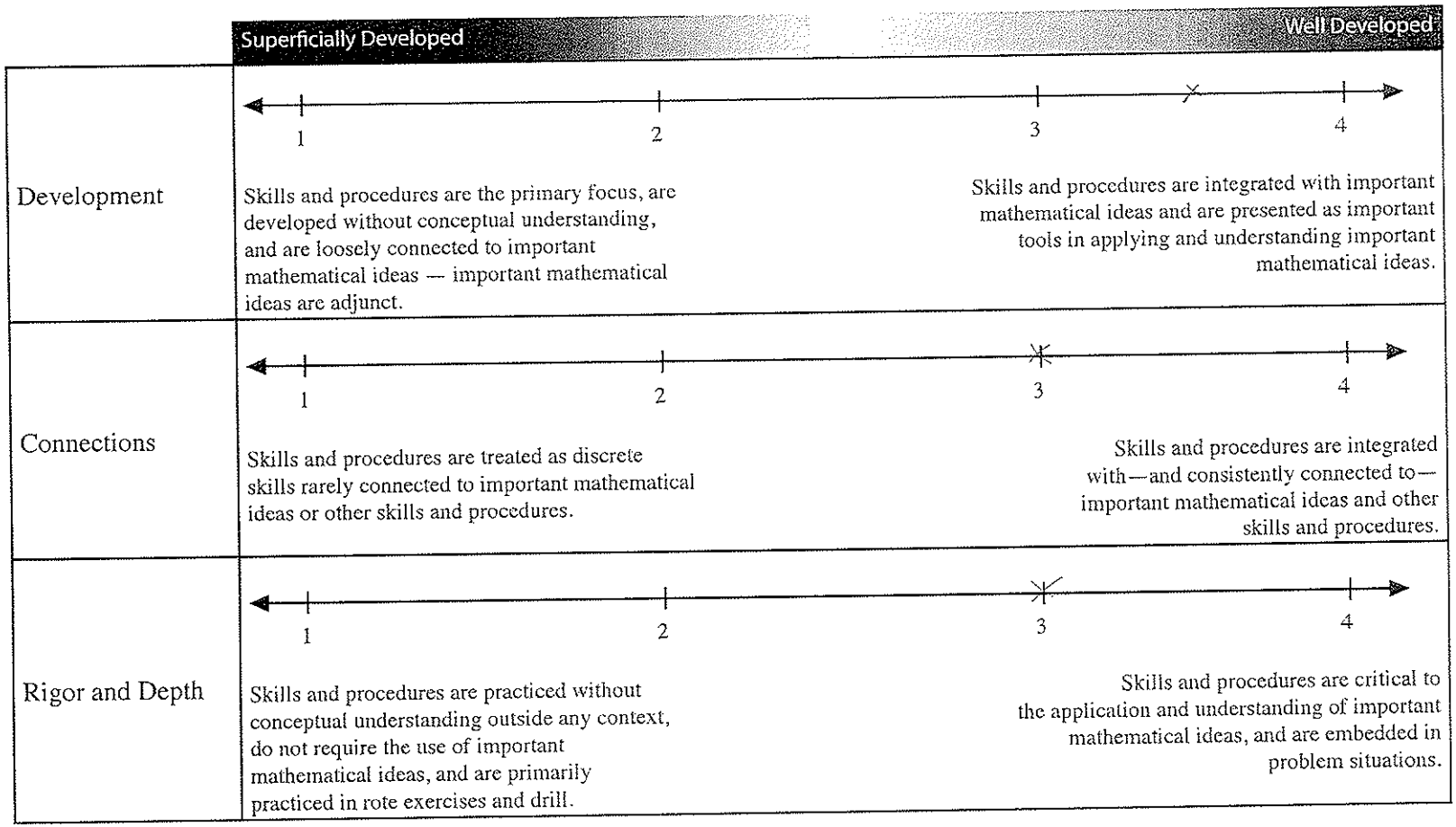
MATHEMATICS: GRADE K – GEOMETRY – K.G

Analyze, compare, create, and compose shapes.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
K.G.6 Compose simple shapes to form larger shapes. *For example, "Can you join these two triangles with full sides touching to make a rectangle?"* **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Triangles (1st ed) Ch 3 Triangles (2nd ed) Ch 7	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

Important Mathematical Ideas:
Understanding the scoring

	Superficially Developed ← → Well Developed
Development	1 — 2 — 3 — 4 Important mathematical ideas are alluded to simply or are missing, approached primarily from a skill level, or provided for students outside any context. Important mathematical ideas are evident, conceptually developed, and emerge within the context of real-world examples, interesting problems, application situations, or student investigations.
Connections	1 — 2 — 3 — 4 Important mathematical ideas are developed independently of each other (i.e., they are discrete, independent ideas). Important mathematical ideas are developed by expanding and connecting to other important mathematical ideas in such a way as to build understanding of mathematics as a unified whole.
Rigor and Depth	1 — 2 — 3 — 4 Important mathematical ideas are applied in routine problems or in using formulated procedures, and are extended in separate / optional problems. Important mathematical ideas are applied and extended in novel situations or embedded in the content, requiring the extension of important mathematical ideas and the use of multiple approaches.

Skills and Procedures:
Understanding the scoring



Mathematical Relationships: Understanding the scoring

	Superficially Developed ← → Well Developed	
Development	1 2 3 4	Mathematical relationships are evident in such a way as to build understanding of mathematics as a unified whole.
	Mathematical relationships are not evident, and mathematics appears as a series of discrete skills and ideas.	
Connections	1 2 3 4	Mathematical relationships are integrated with important mathematical ideas, and are integral in required activities, problems, and applications.
	Mathematical relationships are not required of students or are used primarily to provide a context for the practice of skills or procedures — words wrapped around drill.	
Rigor and Depth	1 2 3 4	Mathematical relationships require the broad use of mathematics and integrate the need for important mathematical ideas, skills, and procedures, as well as connections outside mathematics.
	Mathematical relationships require the use of skills and procedures, but rarely require the use of any important mathematical ideas or connections outside mathematics.	

(K) Think Math! All stds are addressed.

Counting
unit 1

Compare
unit 2 lesson 1, 2, 3, 9, 10
unit 4 " "
unit 9

Open Ended Problem Solving → not ps, but creative story telling
"draw a pic of one"

wksheets all same

pic of — object, the #, word → connect quantity, word, & numeric representation
cards w/ one, 1 pattern blocks to describe, rhyme to write

"~~to interest connect to whole group~~ teacher led centers"? 1+2
"how many are hidden?" (4 in all; can see 2)

seem of a rule they choose * games for prob solv "does not belong" 1+3
line introduced ch 1 lesson 6

road Counting connected to pic cards, events, dominoes, # lines, fingers, riddles

graphing w/ real objects — read graph, record how many

Compare using one-to-one corr 116

def. same, more, less

have a students making rotation to △ and □ explain

give student 2 △ to put together

* use pattern blocks to make other shapes

extending patterns 183

use of math vocab? 188 draw it instead of say it

217 counting up from a # (6, 27, etc)

Comparing n > 7 what could my # be?

adding on a vertical # line; + and − jumps

(P) (N) (D) find amt & # of coins Q 81 p 820

missing #s in tables unit 5

unit 6 writing # sentences

money, estimating

making a map?

3-D shapes Ch 7 2-D Ch. 2

length, weight ch. 8 − foot, non-standard

2

INDIANA'S EDUCATION ROUNDTABLE 2010

School Specialty
math

Instructional Materials Analysis and Selection

Phase 3: Assessing Content Alignment to the Common Core State Standards for Mathematics

Kindergarten

a project of
The Charles A. Dana Center
at the University of Texas at Austin

Instructional Materials Analysis and Selection

Phase 3:

Assessing Content Alignment to the Common Core State Standards for Mathematics

A project of
The Indiana Education Roundtable, The Indiana Department of Education,
and
The Charles A. Dana Center at The University of Texas at Austin

2010–2011

Reviewed By: _____

Title of Instructional Materials: _____

Documenting Alignment to the Standards for Mathematical Practice

8. Look for and express regularity in repeated reasoning.

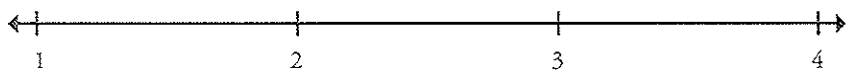
Mathematically proficient students notice if calculations are repeated, and look both for general methods and for shortcuts. Upper elementary students might notice when dividing 25 by 11 that they are repeating the same calculations over and over again, and conclude they have a repeating decimal. By paying attention to the calculation of slope as they repeatedly check whether points are on the line through (1, 2) with slope 3, middle school students might abstract the equation $(y - 2)/(x - 1) = 3$. Noticing the regularity in the way terms cancel when expanding $(x - 1)(x + 1)$, $(x - 1)(x^2 + x + 1)$, and $(x - 1)(x^3 + x2 + x + 1)$ might lead them to the general formula for the sum of a geometric series. As they work to solve a problem, mathematically proficient students maintain oversight of the process, while attending to the details. They continually evaluate the reasonableness of their intermediate results.

Indicate the chapter(s), section(s), or page(s) reviewed.

Portions of the mathematical practice that are missing or not well developed in the instructional materials (if any):

Summary/Justification/Evidence

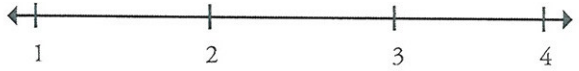
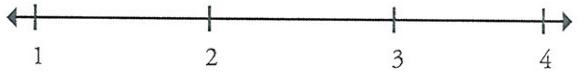
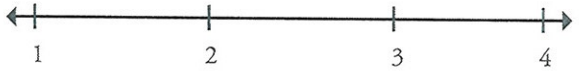
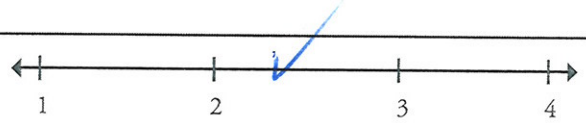
Overall Rating



Reviewed By: _____

Title of Instructional Materials: _____

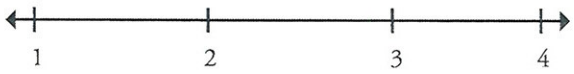
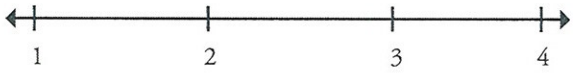
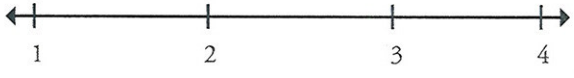
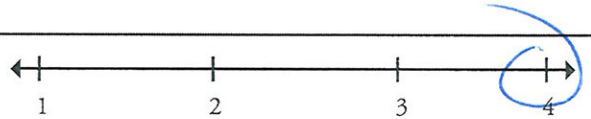
MATHEMATICS: GRADE K – COUNTING AND CARDINALITY – K.CC

Know number names and the count sequence	**Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.**
K.CC.1 Count to 100 by ones and by tens. **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Ch 1 Each lesson introduces a # 1-10 Ch. 9 large #'s Lesson 2 & 3	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

Reviewed By: _____

Title of Instructional Materials: _____

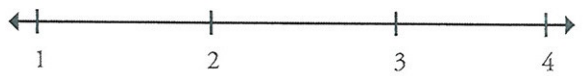
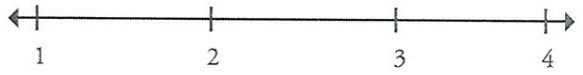
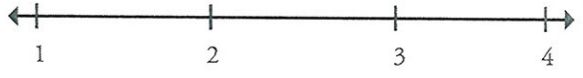
MATHEMATICS: GRADE K – COUNTING AND CARDINALITY – K.CC

Know number names and the count sequence	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
K.CC.2 Count forward beginning from a given number within the known sequence (instead of having to begin at 1). **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Ch 5 Lesson 2 p. 425	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

Reviewed By: _____

Title of Instructional Materials: _____

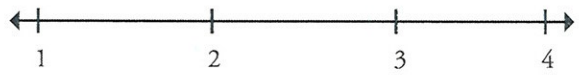
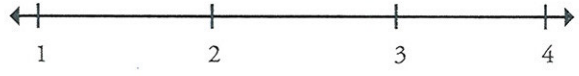
MATHEMATICS: GRADE K – COUNTING AND CARDINALITY – K.CC

Know number names and the count sequence	**Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.**
K.CC.3. Write numbers from 0 to 20. Represent a number of objects with a written numeral 0–20 (with 0 representing a count of no objects). Ch 4 Does touch on larger #'s. **Indicate the chapter(s), section(s), and/or page(s) reviewed.** only 0 - 10	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

Reviewed By: _____

Title of Instructional Materials: _____

MATHEMATICS: GRADE K – COUNTING AND CARDINALITY – K.CC

Count to tell the number of objects.	**Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.**
K.CC.4a 4. Understand the relationship between numbers and quantities; connect counting to cardinality. a. When counting objects, say the number names in the standard order, pairing each object with one and only one number name and each number name with one and only one object. **Indicate the chapter(s), section(s), and/or page(s) reviewed.** does good job Ch. 1 0-10 #'s does good job	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence**
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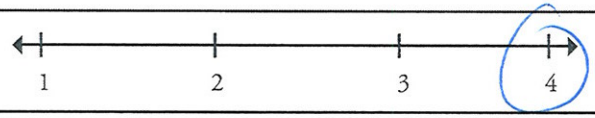
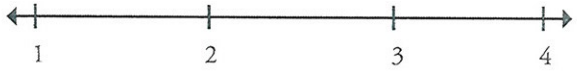
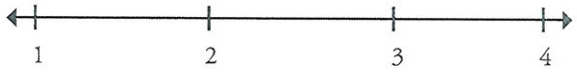
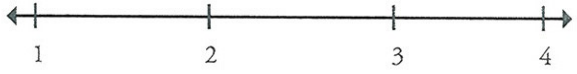
	Overall Rating 

Reviewed By: _____

Title of Instructional Materials: _____

MATHEMATICS: GRADE K – COUNTING AND CARDINALITY – K.CC

Count to tell the number of objects.	**Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.**
K.CC.4b 4. Understand the relationship between numbers and quantities; connect counting to cardinality. b. Understand that the last number name said tells the number of objects counted. The number of objects is the same regardless of their arrangement or the order in which they were counted. Uses multiple objects! Ways to reinforce this in Ch. 2 **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Ch 2 Lesson 1 p. 113 Lesson 3 p. 126	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence**
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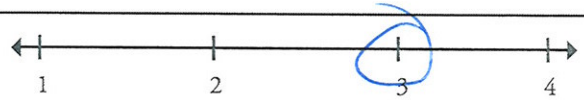
	Overall Rating 

Reviewed By: _____

Title of Instructional Materials: _____

MATHEMATICS: GRADE K – COUNTING AND CARDINALITY – K.CC

Count to tell the number of objects.	**Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.**
K.CC.4c 4. Understand the relationship between numbers and quantities; connect counting to cardinality. c. Understand that each successive number name refers to a quantity that is one larger. **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Ch 2 lesson 2 p. 114– i mad i less Ch 2 lesson 3 p. 126 One Really lessons 1-3 Ch 2 deal w/ this	Important Mathematical Ideas 1 2 3 4 Skills and Procedures 1 2 3 4 Mathematical Relationships 1 2 3 4 **Summary / Justification / Evidence**
	Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):
	Overall Rating 1 2 3 4

Reviewed By: _____

Title of Instructional Materials: _____

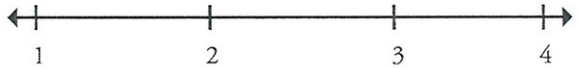
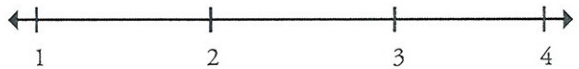
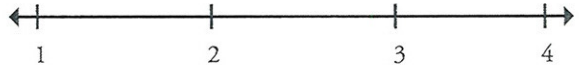
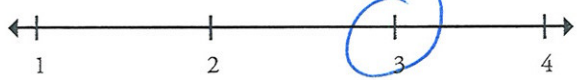
MATHEMATICS: GRADE K – COUNTING AND CARDINALITY – K.CC

Count to tell the number of objects.	**Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.**
K.CC.5 Count to answer "how many?" questions about as many as 20 things arranged in a line, a rectangular array, or a circle, or as many as 10 things in a scattered configuration; given a number from 1–20, count out that many objects. Moving # line for #s only not objects – Ch. 4 investigation (p. 97 Student Bk.) **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Ch 5 Lesson 1 grouping & counting	Important Mathematical Ideas 1 2 3 4 Skills and Procedures 1 2 3 4 Mathematical Relationships 1 2 3 4 **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 1 2 ✓ 3 4

Reviewed By: _____

Title of Instructional Materials: _____

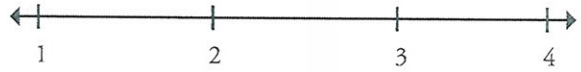
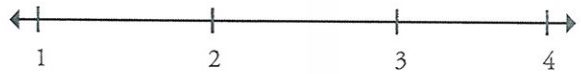
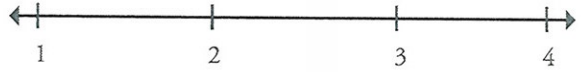
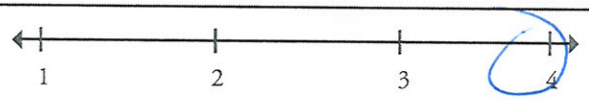
MATHEMATICS: GRADE K – COUNTING AND CARDINALITY – K.CC

Compare numbers.	**Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.**
K.CC.6 Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group, e.g., by using matching and counting strategies.[1] 1 Include groups with up to ten objects. **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Ch. 9 Lesson 3 p. 814 (w/ H's) Ch. 4 Lesson 2 p. 320	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence**
	Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):
	Overall Rating 

Reviewed By: _____

Title of Instructional Materials: _____

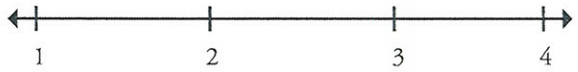
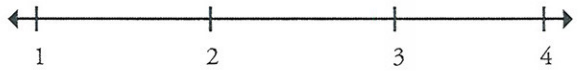
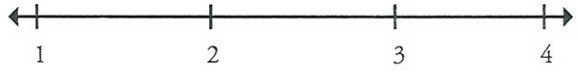
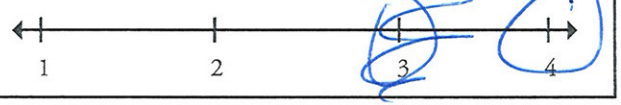
MATHEMATICS: GRADE K – COUNTING AND CARDINALITY – K.CC

Compare numbers.	**Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.**
K.CC.7 Compare two numbers between 1 and 10 presented as written numerals. **Indicate the chapter(s), section(s), and/or page(s) reviewed.** p. 322-325	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

Reviewed By: _____

Title of Instructional Materials: _____

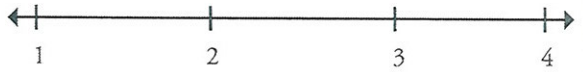
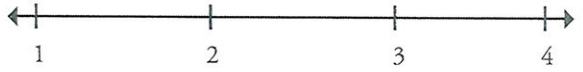
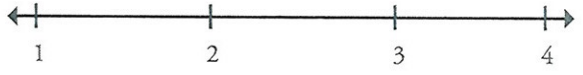
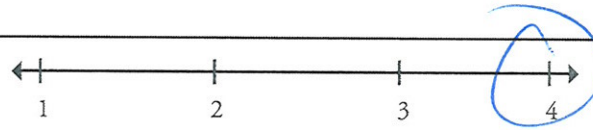
MATHEMATICS: GRADE K – OPERATIONS AND ALGEBRAIC THINKING – K.OA

Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.	**Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.**
K.OA.1 Represent addition and subtraction with objects, fingers, mental images, drawings[1], sounds (e.g., claps), acting out situations, verbal explanations, expressions, or equations. Ch 4 is dedicated to understanding add't & subt. Ch 5 – more advanced Ch 6 – stories w/ #'s & words / pictures 1 Drawings need not show details, but should show the mathematics in the problem. (This applies wherever drawings are mentioned in the Standards.) **Indicate the chapter(s), section(s), and/or page(s) reviewed.**	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

Reviewed By: _____

Title of Instructional Materials: _____

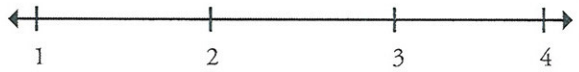
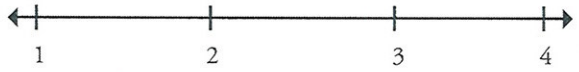
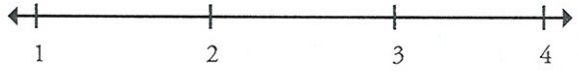
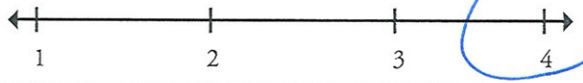
MATHEMATICS: GRADE K – OPERATIONS AND ALGEBRAIC THINKING – K.OA

Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.	**Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.**
K.OA.2 Solve addition and subtraction word problems, and add and subtract within 10, e.g., by using objects or drawings to represent the problem. Ch. 6 deals w/ story problems w/ +, − Ch 4 introduces moving on a # line to add & subt. **Indicate the chapter(s), section(s), and/or page(s) reviewed.**	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

Reviewed By: _____

Title of Instructional Materials: _____

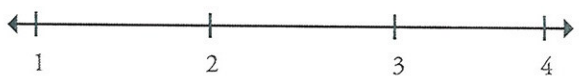
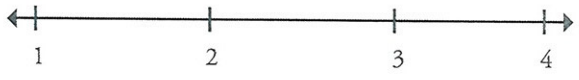
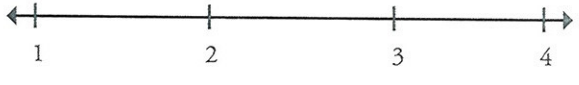
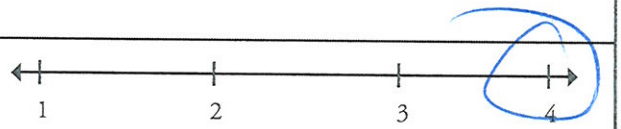
MATHEMATICS: GRADE K – OPERATIONS AND ALGEBRAIC THINKING – K.OA

Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.	**Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.**
K.OA.3 Decompose numbers less than or equal to 10 into pairs in more than one way, e.g., by using objects or drawings, and record each decomposition by a drawing or equation (e.g., 5 = 2 + 3 and 5 = 4 + 1). **Indicate the chapter(s), section(s), and/or page(s) reviewed.** p. 516	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

Reviewed By: _____

Title of Instructional Materials: _____

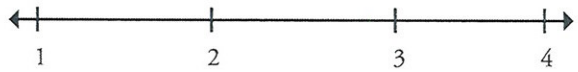
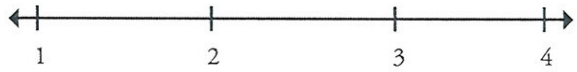
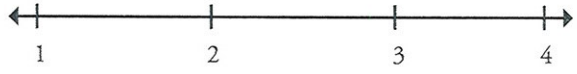
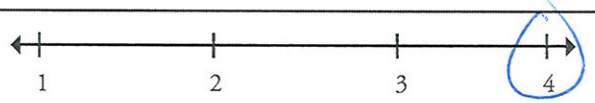
MATHEMATICS: GRADE K – OPERATIONS AND ALGEBRAIC THINKING – K.OA

Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.	**Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.**
K.OA.4 For any number from 1 to 9, find the number that makes 10 when added to the given number, e.g., by using objects or drawings, and record the answer with a drawing or equation. Ch 6 lessons 1 – 5 deal w/ this **Indicate the chapter(s), section(s), and/or page(s) reviewed.**	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

Reviewed By: _____

Title of Instructional Materials: _____

MATHEMATICS: GRADE K – OPERATIONS AND ALGEBRAIC THINKING – K.OA

Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.	**Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.**
K.OA.5 Fluently add and subtract within 5. **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Ch 5 Lesson 7 p. 45-3 Lesson 8	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

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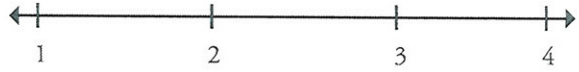
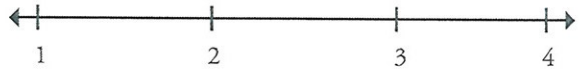
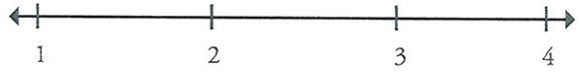
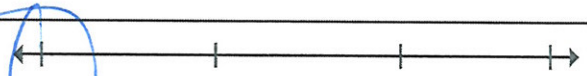
MATHEMATICS: GRADE K – NUMBER AND OPERATIONS IN BASE TEN – K.NBT

Work with numbers 11–19 to gain foundations for place value.	**Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.**
K.NBT.1 Compose and decompose numbers from 11 to 19 into ten ones and some further ones, e.g., by using objects or drawings, and record each composition or decomposition by a drawing or equation (e.g., 18 = 10 + 8); understand that these numbers are composed of ten ones and one, two, three, four, five, six, seven, eight, or nine ones. **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Not found	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

Reviewed By: _____

Title of Instructional Materials: _____

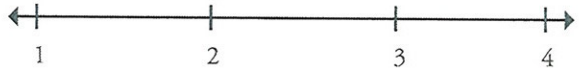
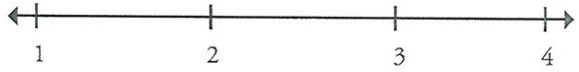
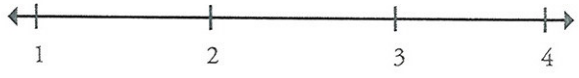
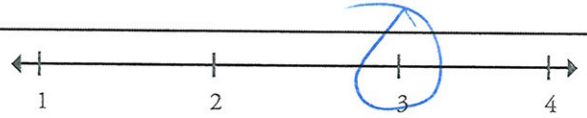
MATHEMATICS: GRADE K – MEASUREMENT AND DATA – K.MD

Describe and compare measurable attributes.	**Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.**
K.MD.1 Describe measurable attributes of objects, such as length or weight. Describe several measurable attributes of a single object. **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Ch 8 lesson 6 – 8 weight (P. 734 – 746) Ch. 9 – 14 length	Important Mathematical Ideas 1 2 3 4 Skills and Procedures 1 2 3 4 Mathematical Relationships 1 2 3 4 **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 1 2 3 4

Reviewed By: _____

Title of Instructional Materials: _____

MATHEMATICS: GRADE K – MEASUREMENT AND DATA – K.MD

Describe and compare measurable attributes.	**Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.**
K.MD.2 Directly compare two objects with a measurable attribute in common, to see which object has "more of"/"less of" the attribute, and describe the difference. *For example, directly compare the heights of two children and describe one child as taller/shorter.* **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Ch 8 lesson 1, 2, 3	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

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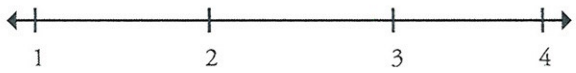
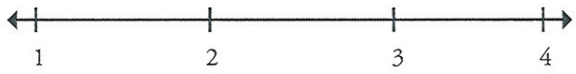
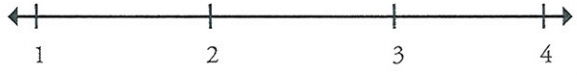
MATHEMATICS: GRADE K – MEASUREMENT AND DATA – K.MD

Classify objects and count the number of objects in each category.	**Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.**
K.MD.3 Classify objects into given categories; count the numbers of objects in each category and sort the categories by count.[1] 1 Limit category counts to be less than or equal to 10. **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Ch 3 Lesson 2 Sorting Categories P. 216 Counting Differences – Ch. 3 Lesson 3 P. 222	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence**
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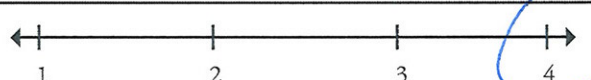
	Overall Rating 

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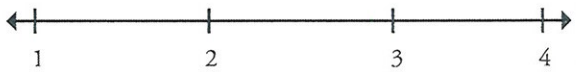
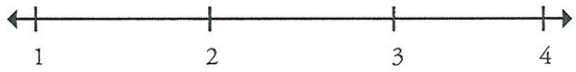
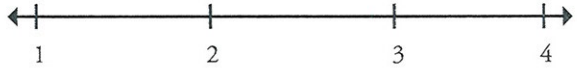
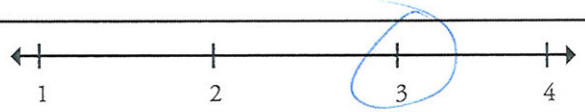
MATHEMATICS: GRADE K – GEOMETRY – K.G

Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres).	**Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.**
K.G.1 Describe objects in the environment using names of shapes, and describe the relative positions of these objects using terms such as *above, below, beside, in front of, behind,* and *next to.* Ch 7 Shapes 2 & 3 Dimensional Lesson 7 (p. 644) descriptions **Indicate the chapter(s), section(s), and/or page(s) reviewed.**	Important Mathematical Ideas 1 2 3 4 Skills and Procedures 1 2 3 4 Mathematical Relationships 1 2 3 4 **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 1 2 3 4

Reviewed By: _____

Title of Instructional Materials: _____

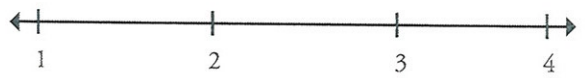
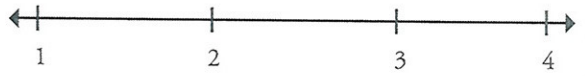
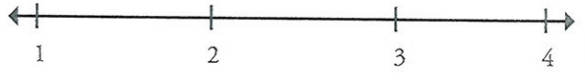
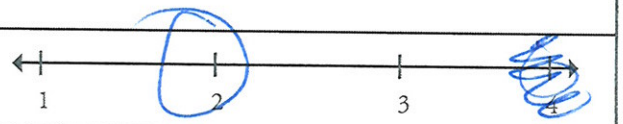
MATHEMATICS: GRADE K – GEOMETRY – K.G

Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres).	**Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.**
K.G.2 Correctly name shapes regardless of their orientations or overall size. **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Ch 7 Lesson 1 (605) Lesson 7 p. 618	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

Reviewed By: _____

Title of Instructional Materials: _____

MATHEMATICS: GRADE K – GEOMETRY – K.G

Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres).	**Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.**
K.G.3 Identify shapes as two-dimensional (lying in a plane, "flat") or three-dimensional ("solid"). p. 623 **Indicate the chapter(s), section(s), and/or page(s) reviewed.**	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

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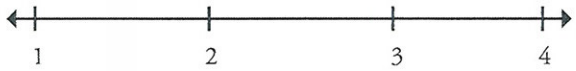
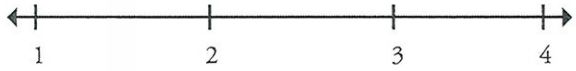
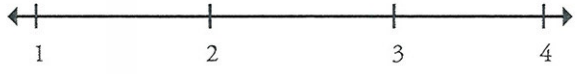
Title of Instructional Materials: _____

MATHEMATICS: GRADE K – GEOMETRY – K.G

Analyze, compare, create, and compose shapes.	**Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.**
K.G.4 Analyze and compare two- and three-dimensional shapes, in different sizes and orientations, using informal language to describe their similarities, differences, parts (e.g., number of sides and vertices/"corners") and other attributes (e.g., having sides of equal length). Ch 7 **Indicate the chapter(s), section(s), and/or page(s) reviewed.**	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence**
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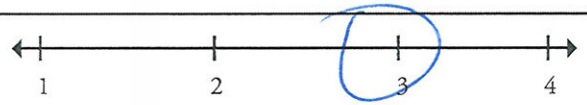
	Overall Rating 

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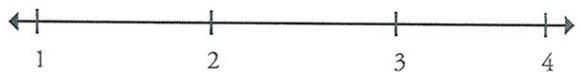
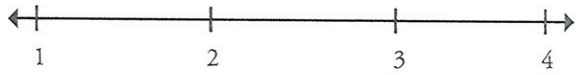
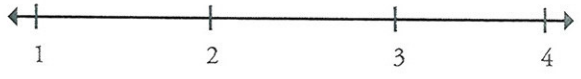
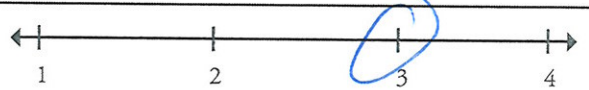
Title of Instructional Materials: _____

MATHEMATICS: GRADE K – GEOMETRY – K.G

Analyze, compare, create, and compose shapes.	**Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.**
K.G.5 Model shapes in the world by building shapes from components (e.g., sticks and clay balls) and drawing shapes. **Indicate the chapter(s), section(s), and/or page(s) reviewed.** Ch 7 Lesson 8, 9	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating 

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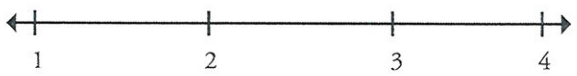
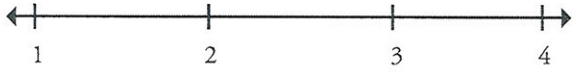
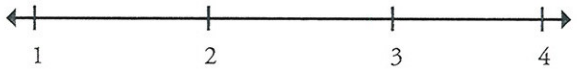
Title of Instructional Materials: _____

MATHEMATICS: GRADE K – GEOMETRY – K.G

Analyze, compare, create, and compose shapes.	Summary and documentation of how the domain, cluster, and standard are met. Cite examples from the materials.
K.G.6 Compose simple shapes to form larger shapes. *For example, "Can you join these two triangles with full sides touching to make a rectangle?"* **Indicate the chapter(s), section(s), and/or page(s) reviewed.** don't find	Important Mathematical Ideas  Skills and Procedures  Mathematical Relationships  **Summary / Justification / Evidence** **Portions of the domain, cluster, and standard that are missing or not well developed in the instructional materials (if any):** Overall Rating